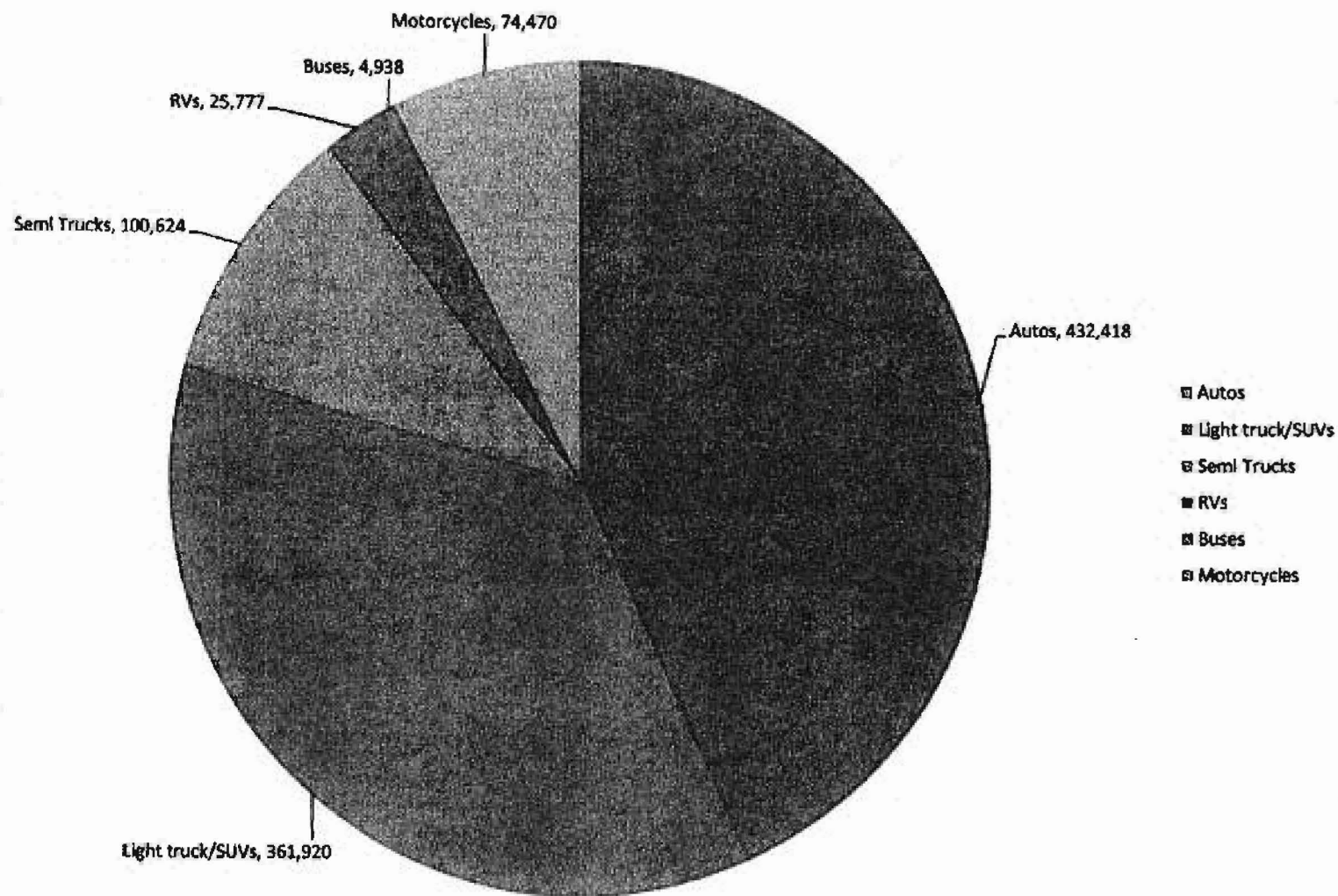


US EPA ARCHIVE DOCUMENT

ANNUAL VEHICLE FUEL SAVINGS UTILIZING THE
S.S. BADGER



TOTAL ANNUAL FUEL SAVINGS 1,000,147 GALLONS

YEARLY VEHICLE FUEL AND EMISSIONS SAVINGS UTILIZING THE SS BADGER

Autos	Light truck/SUVs	Semi Trucks	RVs	Buses	Motorcycles
Savings in gallons of gasoline*			Savings in gallons of diesel*		Gasoline*
432,418	361,920	100,624	25,777	4,938	74,470
TOTAL FUEL SAVINGS PER YEAR (GALS):		1,000,147			
Savings in Total Hydrocarbon (THC) emissions (tons)**					
0.83	1.41	0.24	0.17	0.024	1.85
TOTAL HYDROCARBONS SAVED PER YEAR (TONS)			4.324		
Savings in Carbon Monoxide (CO) emissions (tons)**					
30.2	40.5	1.4	0.54	0.14	27.8
TOTAL CARBON MONOXIDE SAVED PER YEAR (TONS)			100.6		
Savings in Nitrogen Oxide (Nox) emissions (tons)**					
4.32	6.59	5.87	1.55	0.44	1.32
TOTAL NITROGEN OXIDE SAVED PER YEAR (TONS)			20.09		
Savings in Particulate Matter (PM) emissions (pounds)**					
150.2	171.3	468.5	132.4	35.7	131.2
TOTAL PARTICULATE MATTER SAVED PER YEAR (LBS)			1089		

*Source: US Dept of Energy Transportation Data Book

**Source: US EPA Office of Transportation & Air Quality, Ann Arbor, MI- MOVES Data